

# BOMBARDIER

STRUCTURAL ENGINEERING

Bombardier Structural Engineering  
131 Lincoln Street, Abington, MA 02351  
Tel: 508-631-3332

## STRUCTURAL REPORT

October 12, 2018

Mahmood Firouzbakht  
7 Crescent Street  
Cambridge, MA 2138

Re: Project 2018-54  
2 Chetwynd Road, Cambridge, MA

Dear Mr. Firouzbakht:

Per your request, I reviewed the condition of the structure located at 2 Chetwynd Roadt, Cambridge, MA. The building is reported to have been constructed in 1928.

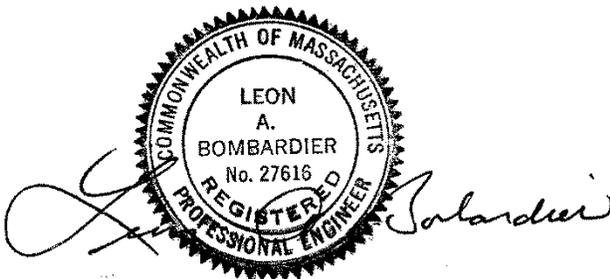
The building is a one-story wood framed structure with a full basement with an occupied attic and a closed in front porch. It appears that the main building has been modified over time to include overhanging bump outs on the side and rear. The roofing and exterior walls have not been maintained and are in poor condition.

The foundation consists of several courses of concrete blocks over a concrete wall, about 4 feet in height. The concrete blocks have been allowing moisture into the basement. The structure has settled and as a result the floor has sloped considerably.

There is evidence of water staining in the ceilings. Most likely deterioration of the wood framing has been experienced from moisture intrusion. In situations with moisture intrusion and subsequent mold growth. wood framed sill beams, corner posts, bottom section of wall studs, wall sheathing, roof rafters and roof sheathing most likely will require replacement.

I do not recommend trying to upgrade this structure and it is my opinion, the practical approach is to demolish the existing structure and constructed a new modern structure.

Sincerely,



Leon A. Bombardier, PE  
Structural Engineer



Photo 1 Front view 2 Chetwynd



Photo 2 Side view showing bump outs



Photo 3 Basement



Photo 4 Moisture intrusion



Photo 5 Moisture intrusion